

1. How to compare two JSON have the same properties without order?

- a. `var obj1 = { name: "Person 1", age:5 };`
- b. `var obj2 = { age:5, name: "Person 1" };`

```
var obj1={name:"person
1",age:5};
var obj2={age:5,name:"person
1"};
var arr=[obj1,obj2];
for(i=0;i<arr.length;i++){
  var a=arr[i];
  for(j=0;j<arr.length;j++){
    var b=arr[j];
    if(a.name==b.name){
      if(a.age==b.age){
        console.log("are
equal")
      }
    }
  }
  else{
    console.log("not equal")
  }
}
```

}

2. Use the rest countries API url -> <https://restcountries.eu/rest/v2/all> and display all the country flags in console

- //create a
XHR object

```
var request=new XMLHttpRequest();  
//this is object which conveys that we are using XMLHttpRequest  
//new keyword always create an object  
//create a connection or extracting the information  
//http method:GET  
//API url  
request.open("GET","https://raw.githubusercontent.com/rvsp/restcountries-j  
son-data/master/res-countries.json");  
//sending a connection  
request.send()  
//data coming from server is of type of string  
//convert it into json obj  
//print the details  
//we will writing all manipulation functions in this function only  
//q1: print the countrynames of all countries in console  
//q2:from the above question, also print the country name along with capital  
//print the latitude values and longitude values  
//print the country flag  
request.onload=function(){  
var data=JSON.parse(request.response)
```

```

for(var i of data){
  console.log(`country: ${i.name},
  region: ${i.region},
  subregion: ${i.subregion} ,
  population: ${i.population},
  flag: ${i.flag}`)
}

}
//templte litral(backticks-tilt symbol)
/*
  capital: ${i.capital},
  latitude: ${i.latlng[0]},
  longitude: ${i.latlng[1]},
*/

```

3. Use the same rest countries and print all countries name, region, sub region and population

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible"
content="IE=edge">
  <meta name="viewport"
content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script src="api.js"></script>
</body>

```

</html>